

copy of this definition is enclosed for the Examiner's convenience. Thus, one of ordinary skill in this art, to whom Applicant's claims are directed, would understand that not every collection of openings and passages is a horn.

Clark describes merely a collection of openings that simply do not have the characteristics of an acoustic horn. Indeed, the text of Clark does not include even one instance of the word, "horn". As illustrated in Clark's FIGs. 12 and 13, element 1207 is a plurality of openings that merely "lead to a front side of a speaker diaphragm 1302 of speaker 1206". Clark at col. 9, ll. 6-7. Clark is utterly silent on the shapes of these openings 1207 and any passages beyond them. Similarly, element 1216 is a plurality of openings that are positioned in a recess 1214 in which the speaker 1206 is disposed. Clark at col. 8, ll. 53-55, 62-65. And element 1226 is a plurality of openings that are a portion of openings 1224 of a housing portion 1204 and that permit sound pressure waves to reach an air space in front of an ear placement region 1212. Clark at col. 9, ll. 44-49. None of Clark's openings constitute a horn as claimed.

It is not surprising that Clark does not disclose an acoustic horn. Although horns generally have higher efficiency than other types of loudspeakers, a horn in Clark would have a very low efficiency because the pole piece in the loudspeaker could not be narrower than a minimum size that would still be wider than the entrance of the horn. The subject matter defined by Applicant's claims does not suffer as Clark would, and thus Applicant's subject matter can enjoy high efficiency, even with small size.

Since Clark does not disclose all of the elements of the independent claims, those claims 1 and 7 are not anticipated by Clark. It is respectfully requested that their rejections be reconsidered and withdrawn. Contrary to the assertions in the Action, Clark also fails to teach or suggest various features of the dependent claims, but since Clark's failure to anticipate the independent claims is sufficient to preclude rejection of the dependent claims, it is unnecessary to describe those absent features in detail. It is, however, also respectfully requested that the rejections of the dependent claims be reconsidered and withdrawn.

It is believed this application is in condition for allowance. An early Notice to this effect is earnestly solicited. If the Examiner has any questions, he is invited to telephone the undersigned at the number given below.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By: Michael G. Savage  
Michael G. Savage  
Registration No. 32,596

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(919) 941-9240

Date: February 27, 2003

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## hornbill

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deities, etc. 6. In the Bible, a symbol of glory and power. 7. *Usu. pl.* The imaginary projections from the forehead of a cuckold. 8. A vessel or implement formed from or shaped like a horn: a powder *horn*. 9. One of the extremities of the crescent moon. 10. The pommel of a saddle. 11. A device for sounding warning signals: an automobile *horn*. 12. A cornucopia. 13. Any pointed or tapering projection, as the point of an anvil. 14. One of the two or more alternatives of a dilemma. 15. *Music* a Any of the various brass instruments, formerly made from animal horns, in the shape of a long, coiled tube widening out into a bell at one end. b The French horn. 16. *Informal* Any musical wind instrument. 17. *Electronics* A hollow, tubular device terminating in a cone of varying cross section, for collecting sound waves, as in a loudspeaker. 18. *Geog.* a One of the branches forming the delta of a stream or river. b A cape or peninsula. — *to blow one's own horn* To brag. — *to haul (or pull or draw) in one's horns* 1. To check one's anger, zeal, etc. 2. To retract or withdraw, as a previous statement. — *adj.* Of or like horn. — *v.t.* 1. To provide with horns. 2. To shape like a horn. 3. To attack with the horns; gore. — *to horn in* *Slang* To intrude or enter without being invited. [OE] **horn-bill** (hörn/bil') *n.* A tropical bird, having a large bill surmounted by a hornlike extension.

**horn-blende** (hörn/blend') *n.* A common variety of amphibole, greenish black or black, containing iron and silicate of magnesium, calcium, and aluminum. — **horn-blend/ic** *adj.* **horn-book** (hörn/bók') *n.* 1. A leaf or page containing a printed alphabet, etc., covered with transparent horn and framed, formerly used in teaching reading to children. 2. A primer or book of rudimentary knowledge.

**horned** (hörn'd, *Poetic* hör'nid) *adj.* 1. Having a horn or horns. 2. Having a projection or process resembling a horn. **horned owl** Any of various American owls with conspicuous ear tufts; esp. the screech owl.

**horned toad** A flat-bodied, spiny lizard with a short tail and toadlike appearance, common in semiarid regions of the western U.S. Also *horn toad*.

**horned viper** A venomous African or Indian viper with a hornlike growth over each eye.

**horn-net** (hörn/nit) *n.* Any of various wasps capable of inflicting a severe sting. [OE *hymnel*]

**horn of plenty** A cornucopia.

**horn-pipe** (hörn/pip') *n.* 1. An obsolete musical instrument resembling the clarinet. 2. A lively English dance for one or more performers. 3. The music for such a dance.

**horn-y** (hörn'ye) *adj.* **horn-i-er**, **horn-i-est** 1. Made of horn or a similar substance. 2. Having horns or projections resembling horns. 3. Hard as horn; tough. — **horn'i-ness** *n.*

**hor-o-loge** (hór'ə-lōj, hór'ə-) *n.* A timepiece, as a watch, clock, etc. [*< OF < L < Gk. < hōra* time + *logos* to tell]

**ho-ro-lo-ger** (hō-rō-lə-jər, hō-) *n.* One skilled in horology; also, one who makes or sells timepieces. Also **ho-ro-lo-gist**.

**ho-ro-lo-gy** (hō-rō-lə-jē, hō-) *n.* The science of the measurement of time or of the construction of timepieces. — **hor-o-log-ic** (hō-rə-lə-jik, hō-rə-) *adj.* **hor-i-cal** *adj.*

**hor-o-scope** (hór'ə-skōp, hór'ə-) *n.* 1. In astrology, the aspect of the heavens, with special reference to the positions of the planets at any specific instant, esp. at a person's birth. 2. The diagram of the twelve divisions or houses of the heavens, used in predicting the future. [*< L < Gk. < hōra* hour + *skopos* watcher] — **ho-ros-co-py** (hō-rōs-kə-pē) *n.*

**hor-ren-dous** (hō-rən'dəs, hō-) *adj.* Horrible; frightful. [*< L horrens* to bristle] — **hor-ren-dous-ly** *adv.*

**hor-ri-ble** (hór'ə-bal, hór'ə-) *adj.* 1. Exciting or tending to excite horror; shocking. 2. *Informal* Inordinate; excessive; a horrible liar. 3. *Informal* Unpleasant; ugly. [*< F < L horrens* to bristle] — **hor-ri-ble-ness** *n.* — **hor-ri-bly** *adj.*

**hor-rid** (hór'id, hór'ə-) *adj.* 1. Causing great aversion or horror; dreadful. 2. *Informal* Very objectionable; offensive. — **hor-rid-ly** *adv.* — **hor-rid-ness** *n.*

**hor-ri-fy** (hór'ə-fi, hór'ə-) *v.t.* **fi-ed**, **fy-ing** 1. To affect or fill with horror. 2. *Informal* To shock or surprise painfully; startle. — **hor-ri-fi-ca-tion** *n.*

**hor-ror** (hór'ər, hór'ə-) *n.* 1. A painful, strong emotion caused by extreme fear, dread, repugnance, etc. 2. One who or that which excites such an emotion. 3. *Often pl.* A quality that excites horror: the horrors of crime. 4. Great aversion; loathing. 5. *Informal* Something disagreeable, ugly, etc. [*< L*]

**hors d'oeuvre** (dr dūr'v, Fr. dr dœ'vr') *Usu. pl.* An appetizer, as olives, celery, etc. [*< F*]

**horse** (hōrs) *n. pl.* **hōrs-es** or **horse** 1. A large, strong, herbivorous mammal with solid hoofs and a long mane and tail, employed in the domestic state as a draft or pack animal or for riding. ♦ *Collateral adjective: equine*. 2. The full-grown male horse as contrasted with the mare; a gelding or stallion. 3. Mounted soldiers; cavalry. 4. A device, generally having four legs, for holding or supporting something: often in combination: *clotheshorse*. 5. In gymnastics, a wooden leather-covered block on four legs, used for vaulting and

other exercises. 6. *Informal* In chess, a knight. — *a horse of another (or a different) color* A completely different matter. — *out of (or straight from) the horse's mouth* From the most direct and reliable source. — *to be (or get) on one's high horse* *Informal* To act haughtily or scornfully. — *to hold one's horses* *Slang* To restrain one's impetuosity or impatience. — *To horse!* A command for cavalry troops to mount. — *v. horsed, hors-ing v.t.* 1. To furnish with a horse or horses. 2. To put on horseback. 3. *U.S. Slang* To subject to horseplay or ridicule. — *v.t.* 4. To mount or ride on a horse. 5. *Slang* To engage in horseplay: often with around. — *adj.* 1. Of or pertaining to a horse or horses. 2. Mounted on horses. 3. Large for its kind. [OE *hors*]

**horse-back** (hōrs/bak') *n.* 1. A horse's back. 2. A ridge of earth or rock; hogback. — *adv.* On a horse's back.

**horse-car** (hōrs/kär') 1. A tramcar drawn by horses. 2. A car for transporting horses.

**horse chestnut** 1. A tree having digitate leaves, clusters of flowers, and chestnutlike fruits. 2. The fruit of this tree.

**horse-flesh** (hōrs/flesh') *n.* Horses collectively.

**horse-fly** (hōrs/fli') *n. pl.* **flies** A large fly, the female of which sucks the blood of horses, cattle, etc.

**horse-hair** (hōrs/här') *n.* 1. The hair of horses, esp. that of their manes and tails. 2. A fabric made of such hair; hair-cloth. — *adj.* Covered, stuffed, or made of horsehair.

**horse-hide** (hōrs/hid') *n.* 1. The hide of a horse. 2. Leather made from a horse's hide.

**horse latitudes** *Naut.* A belt at about 35° north or south latitude, characterized by calms and light variable winds, with diminishing to prevailing westerlies toward the poles and trade winds toward the equator.

**horse-laugh** (hōrs/laf', -lāf') *n.* A loud, scornful laugh.

**horse-man** (hōrs/mān) *n. pl.* **men** (-mān) 1. A man who rides a horse. 2. A cavalryman. — **horse/man-ship** *n.*

**horse pistol** A large pistol formerly carried by horsemen.

**horse-play** (hōrs/plā') *n.* Rough, boisterous play or fun.

**horse-power** (hōrs/pəu'ər) *n. Mech.* A unit of the rate of work, equal to 550 pounds lifted one foot in one second.

**horse-rad-ish** (hōrs/rad'ish) *n.* 1. A garden herb of the mustard family. 2. A condiment made from its root.

**horse sense** *Informal* Innate common sense.

**horse-shoe** (hōrs/shō', hōrs'-) *n.* 1. A piece of metal, U-shaped to fit the edge of a horse's hoof, to which it is nailed as a protective device. 2. Something resembling a horse-shoe in shape. 3. *pl.* A game similar to quoits, in which the object is to throw horseshoes over or near a stake. — *v.t.* **-shoed, -shoe-ing** To furnish with horseshoes.

**horseshoe crab** A large marine arthropod having a horse-shoe-shaped carapace and a long telson; also called *king crab*.

**horse-tail** (hōrs/tāl') *n.* 1. The tail of a horse. 2. A perennial flowerless plant of wide distribution.

**horse-whip** (hōrs/whip') *n.* A whip for managing horses. — *v.t.* **-whipped, whip-ping** To flog with a horsewhip.

**horse-woman** (hōrs/wōm'ən) *n. pl.* **wom-en** (-wim'ən) 1. A woman who rides on horseback. 2. A woman who is skilled in riding or managing horses.

**hors-y** (hōrs'ye) *adj.* **hors-i-er, hors-i-est** 1. Pertaining to, suggestive of, or having the nature of a horse or horses. 2. Associated with or devoted to horses, horseracing, fox hunting, etc. Also **hors'ey**. — **hors'i-ly** *adv.* — **hors'i-ness** *n.*

**hor-ta-to-ry** (hōrt'ə-tōr'ē, -tōr'ē) *adj.* Of, characterized by, or giving exhortation or encouragement. Also **hor-ta-tive**. [*< L hortatorius*] — **hor-ta-tive-ly** *adv.*

**hor-ti-cul-ture** (hōrt'ə-kul'chər) *n.* 1. The cultivation of a garden. 2. The art or science of growing garden vegetables, fruits, flowers, etc. [*< L hortus* garden + *cultura* cultivation] — **hor-ti-cul-tur-al** *adj.* — **hor-ti-cul-tur-ist** *n.*

**ho-san-na** (hō-zā'nə) *interj.* Praise be the Lord. — *n.* 1. A cry of "hosanna." 2. Any exultant praise. [*< LL < Gk. < Hebrew hōshi āhmad* save, we pray]

**hose** (hōz) *n. pl.* **hose** (*Archaic* **hos-en**) *for defs. 1, 2; hos-es for def. 3* 1. *pl.* Stockings or socks. 2. *pl.* Formerly, a garment worn by men for covering the legs and lower part of the body like tight trousers. 3. A flexible tube of rubber, plastic, etc., for conveying water and other fluids. — *v.t.* **hosed, hos-ing** 1. To water, drench, or douse with a hose. 2. *Canadian Slang* To cheat or defeat. [OE *hosa*]

**Ho-se-a** (hō-zē'ə, -zā'ə) Eighth-century B.C. Hebrew prophet. — *n.* A book of the Old Testament bearing his name; also, in the Douai Bible, *Osee*.

**hos-ier-y** (hōz'hēr-ē) *n.* Stockings and socks of all types.

**hos-pice** (hōs/pis) *n.* A place of rest or shelter, usu. maintained by a religious order for pilgrims, travelers, etc. [*< F < L hospitium* inn, hospitality]

**hos-pi-ta-ble** (hōs/pi-tə-bəl, hōs-pit'ə-bəl) *adj.* 1. Behaving in a kind and generous manner toward guests. 2. Affording or expressing welcome and generosity toward guests. 3. Receptive in mind. [*< OF < L hospitare* to entertain]

**hos-pi-ta-ble-ness** *n.* — **hos-pi-ta-bly** *adv.*

**hos-pli-tal** (hōs/pi-təl) *n.* An institution that provides medical, surgical, or psychiatric treatment and nursing care for

the ill or injured temporarily lodged there for this purpose. [*< OF < L hu*]

**hos-pi-tal-i-ty** (hōs/pə-tal'ə-tē) *n. pl.* **ties**, or act of being hospitable.

**hos-pi-tal-ize** (hōs/pi-tal'iz') *v.t.* **-ized** hospital for treatment and care.

**hos-pi-tal-i-za-tion** (hōs/pi-tal'ə-zā'shən) *n.* The act of hospitalizing. 2. *U.S.* A guarantee all or partial payment of hospital insurance.

**host** (hōst) *n.* 1. A man who extends

usu. to guests in his own home. 2. *B.* ism from which a parasite obtains nourishment. — *v.t.* *Informal* To conduct or

of host. [*< OF < L hospes* guest, hos-

**host's** (hōst') *n.* 1. A large number of

tude. 2. An army. [*< OF < L hos-*

**host's** (hōst') *n.* *Ecll.* Sometimes cap. 3. or wafer. [*< OF < L hostia* sacrifice]

**hos-tage** (hōs'tij) *n.* 1. A person given until specified conditions are met, as in any person so treated. 3. A pledge or

**hos-tel** (hōs'təl) *n.* One of a chain of houses for young people on bicycle or

**hos-tel-ry** (hōs'təl-rē) *n. pl.* **-ries** place; inn. — **hos-tel-er, hos-tel-er** *n.*

**host-ess** (hōs'tis) *n.* 1. A woman who of a host. 2. A woman employed in

great and serve guests. 3. A woman p-

patrons of a public dance hall. 4. A f-

**hos-tile** (hōs'təl, esp. *Brit.* -tīl) *adj.* ing enmity or opposition; unfriendly; or characteristic of an enemy: *hostile* ac-

**F < L hostilis**] — **hos-tile-ly** *adv.*

**hos-til-i-ty** (hōs'til'ə-tē) *n. pl.* **-ties** hostile. 2. A hostile act. 3. *pl.* War.

**hos-tler** (hōs'tlər, os'-) *n.* A stableman

**ostler**. [*< OF hosteler* innkeeper]

**hot** (hōt) *adj.* **hot-ter, hot-test** 1. Hav-

heat; having a high temperature. 2. high degree of heat; very warm. 3. F-

normal bodily warmth. 4. Giving the

burning to the tongue or skin: *hot pep*

electric current, esp. one of high volta-

radioactive. 7. Constantly in action c-

the wires *hot*. 8. In hunting, strong or

Not far behind: *in hot pursuit*. 10. *N*

strong or violent emotion: *hot words*.

tense activity; raging; violent: *a hot*

ful; sexy. 13. *Slang* Strongly disposed

with *for*. 14. *Informal* Controversial:

*formal* So new as not to have lost its

etc.: *a hot item*. 16. *Slang* Excellent,

so hot tonight. 17. *U.S. Slang* Reecer

procured. 18. *Music Slang* A Designa-

last tempo, heavily accented beat, ex-

etc. b Playing or performing such jazz:

**hot water** *Informal* In trouble. — *to*

**formal** To make the situation extreme

— *adv.* In a hot manner. [OE *hāt*] —

**hot air** *Slang* Empty or pretentious

**hot-bed** (hōt/bed') *n.* 1. A bed of ric

glass and warmed usu. by fermenting

mote the growth of plants in advance

place or condition favoring rapid grow

**hot-blood-ed** (hōt/blud'id) *adj.* Eas

**hot cake** A pancake or griddlecake.

**hot cakes** *Informal* To be disposed of

**hot cross bun** A circular cake or bun

of frosting, eaten esp. during Lent.

**hot dog** *Informal* A cooked frankfur

in a split roll, and garnished with mus

**hot-tel** (hōt'tel') *n.* 1. An establishme

ing lodging, food, etc., to travelers and

2. *Canadian* Beer parlor. [*< F < O*]

**hot-foot** (hōt'fōt') *v.i.* *Informal* To

**hot-head** (hōt/hed') *n.* A heated

**hot-head-ed** (hōt/hed'id) *adj.* 1. Qui

petuous. — **hot-head-ed-ly** *adv.* — *h*

**hot-house** (hōt/hous') *n.* A greenho

cially for the growth of out-of-season

**hot line** A direct means of communicat

for emergency use between Washingto

**hot plate** A small portable gas or ele

**hot rod** *U.S. Slang* An automobile,

modified for high speeds.

**hot spring** A natural spring emit

perature of 98° F. or above: also call

PRONUNCIATION KEY: add, āce, cāre, pīlm

ble, e in melon, u in focus; yōō = u in fuse;

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